Material Safety Data Sheet

roVa™ Flex Plus

Revision Date : 02/02/2023

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product Name:	roVa™ Flex Plus
Synonyms:	Silica aerogel material
Use of the Substance/Preparation:	High performance insulation material
Manufacturer:	roVa Corporation
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E-mail:	info@rovashield.com

2. HAZARDS IDENTIFCATION

Indication of Hazards to Humans and the Environment:
Not hazardous according to the Globally Harmonized System (GHS)

Emergency Overview

Appearance:	White Solid
Odor:	Slight Acrylate Odor

Primary Routes of Exposure:
Primary routes of exposure for liquids include skin and eye contact, inhalation, and ingestion.

Potential Health Effects

Skin contact:
No health effects are expected.

Eye contact:
No health effects are expected.

Inhalation:
This product may have a characteristic odor; however, no adverse health effects are anticipated.

Ingestion:
No health effects are expected.

Chronic Effects of Exposure:
None known for product

Carcinogenicity:
Not applicable

Target Organ Effects:
Not applicable

Medical Condition Aggravated By Exposure:
Excessive exposure and inhalation may aggravate pre-existing skin disorders and chronic respiratory disorders including, but not limited to, bronchitis, emphysema, and asthma.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Percent	EINECS Number
Silica, [(trimethylsilyl)oxy]-modified	102262-30-6	40~70	262-373-8
Acrylate Copolymer	25085-02-3	20~50	
Proprietary Additive	NA	<=10	Not assigned

4. FIRST AID MEASURES

Eye Contact:
No need for first aid is anticipated.

Skin Contact:
No need for first aid is anticipated

Ingestion:
No need for first aid is anticipated

Inhalation:
No need for first aid is anticipated

5. FIRE-FIGHTING MEASURES

Flash Point:
Not applicable

Autoignition Temperature:
Not applicable

Hazardous combustion products:
Carbon dioxide, carbon monoxide, hydrocarbons

Extinguishing Media:
Use media suitable for surrounding fire and that are appropriate to the surrounding environment; Water & foam, water mist, carbon dioxide, and dry chemical fire extinguishers are all suitable. Note that water & foam and water mist fire extinguishers are primarily for Class A fires.

Protective Equipment for Fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

Unusual Fire and Explosion Hazards:
No unusual fire or explosion hazards are anticipated.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:
Not applicable.

Environmental procedures:
Not applicable.

Clean-up methods:
Not applicable.

7. HANDLING AND STORAGE

Precautions for Safe Handling:
This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions

Conditions for Safe Storage:
Avoid high temperature and protect from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits
Not applicable

Engineering Controls
Not applicable

Personal Protective Equipment
Respiratory Protection:
Under normal use conditions, airborne exposure are not expected to be significant enough to require respiratory protection.

Hand Protection:
Gloves not normally required. Avoid prolonged or repeated skin contact.

Eye Protection:
Avoid eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White Solid
Odor:	Slight Acrylate Odor
pH:	Not applicable
Freezing/Melting Point:	Not applicable
Boiling Point:	Not applicable
Flashing Point:	Not applicable
Evaporation Rate:	Not applicable

Flammability: Not applicable
Vapor Pressure: Not applicable
Solubility in Water: Not applicable
Autoignition Temperature: Not applicable
Viscosity: Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability:
stable

Hazardous Reactions:
Under recommended usage conditions, hazards decomposition products are not expected.

Conditions To Avoid:
Prolonged exposure to temperatures above the recommended use temperature.

Substances to Avoid:
strong acids and strong bases

Hazardous Decomposition Products:
Under recommended usage conditions, Hazardous decomposition products are not expected. By-Products may occur as a result of during Combustion.
carbon monoxide (CO), carbon dioxide (CO2), hydrocarbons

11. TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

12. ECOLOGICAL INFORMATION

Ecotoxicological information
Not applicable

Chemical fate information
Not applicable

The completed reaction mass is polymerized and crosslinked.
Therefore, no environmental problems can be generated under normal conditions.

13. DISPOSAL CONSIDERATIONS

Waste Disposal:
Waste disposal method: Reclaim if feasible. If product can't be reclaimed, dispose of waster product in a sanitary landfill. Alternatively, incinerate the waste product in an industrial, commercial, or municipal incinerator. Since regulations vary, consult applicable regulations or authorities before disposal.

14. TRANSPORT INFORMATION

Not regulated per U.S. DOT, IATA or IMO.

15. REGULATORY INFORMATION

U.S. Federal Regulations

Registration Status	TSCA, US released/listed
OSHA Hazard Category	Not Hazardous
CERCLA Hazard Category	Not Hazardous
SARA Hazard Category (EPCRA 311/312)	Not Hazardous

U.S. State Regulations

Right-to-Know Substances List NJ, PA, MA

California Proposition 65:
THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

16. OTHER INFORMATION

HMIS Rating

Health:	0	Flammability:	0	Physical Hazard:	0

DISCLAIMER

The Data set forth in these sheets are based on the information provided by the suppliers of the raw materials and chemicals used in the manufacturing of the aforementioned product. roVa corporation makes no warranty with respect to the accuracy of the information provided by their suppliers, and disclaims all liability of reliance thereon.

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